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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SUBJECT Curriculum Breakdown of the Department of Chemistry, Kiev University

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THIS IS UNEVALUATED INFORMATION

SOURCE

1. The Chemistry Department at the University of Kiev was broken down into four divisions. The students were enrolled in one of these four divisions, depending on the type of chemistry in which they were majoring. These divisions were:

   a. Inorganic
   b. Organic
   c. Analytical
   d. Physical

2. The curriculum for the first three years was the same for all students despite the type of chemistry in which they were majoring. Each year averaged about 1,100 hours, and the first three years included the following courses:

   a. First Year
      1. Inorganic chemistry (theory and laboratory) - about 300 hours.
      2. Physics (theory and laboratory) - 180 hours
      3. Mineralogy - 100 hours
      4. Mathematics - 120 hours
      5. German language - 100 hours
      6. Political subjects - 100 hours

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   b. Second Year
      1. Organic chemistry (theory only) - 200 hours
      2. Analytical chemistry (qualitative analysis) - 324 hours
      3. Physics - 135 hours
      4. Mathematics - 100 hours
      5. German language - 100 hours
      6. Political subjects - 100 hours

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c. Third Year
   1. Organic chemistry (laboratory only) - 100 hours
   2. Analytical chemistry (mainly laboratory) - 304 hours
   3. Physical chemistry - 300 hours
   4. German language - 100 hours
   5. Political subjects - 100 hours

3. At the end of the third year and for a period of eight weeks most of the students engaged in practical work in an industrial laboratory. This was not mandatory, but most of the students did so.

4. In the fourth and fifth years the curriculum changed in accordance with the major subject being studied. For example:

   a. Inorganic Major - fourth year
      1. Special laboratory work (inorganic) - 500 hours
      2. Theory of atom structure - 200 to 300 hours
      3. German language - 100 hours
      4. Political subjects - 100 hours

   b. Organic Major - fourth year
      1. Theory of molecular structure (special laboratory work) - 500 hours
      2. Physical chemistry - 200 hours
      3. German language - 100 hours
      4. Political subjects - 100 hours

   c. Analytical Major - fourth year
      1. Optical analysis (laboratory) - 300 hours
      2. Gas analysis (laboratory) - 300 hours
      3. Electrometric analysis (laboratory) - 300 hours
      4. German language - 100 hours
      5. Political subjects - 100 hours

   d. Physical Major - fourth year

      1. (Electrochemistry (laboratory)) - 500 hours
         (Physical chemistry (laboratory))
      2. German language - 100 hours
      3. Political subjects - 100 hours

5. The fifth year had about the same pattern for all majors. The first semester was taken up with about 350 hours of laboratory work in the major subject plus German and political subjects. The second semester was primarily given over to individual work on a thesis (about 350 hours plus overtime needed) and German and political subjects. At the end of the fourth year the student engaged in specialized industrial laboratory work in his field for eight weeks during the summer.

6. There were 32 academic weeks per year made up of 36 hours per week forall subjects. This figured out at 1,152 hours per year which time included examinations, tests, special lectures and functions. About eight hours per week were devoted to other than chemistry subjects.

7. [redacted] Kiev University had an outstanding reputation in the Soviet Union for its Analytical Chemistry Department and, as a result, great stress was placed on laboratory work. However, even more stress was placed on laboratory work in specialized chemical institutes.

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